Title (en)

NOVEL METHOD FOR PRODUCING PAPER IMPLEMENTING A BASE COPOLYMER HAVING REACTED WITH AN ALDEHYDE AS A DRY STRENGTH, RETENTION, DRAINAGE AND MACHINABILITY AGENT

Title (de)

NEUARTIGES VERFAHREN ZUR HERSTELLUNG VON PAPIER MIT EINEM BASISCOPOLYMER NACH EINER REAKTION MIT EINEM ALDEHYD ALS TROCKENFESTIGUNGS-, AUFRECHTERHALTUNGS-, ABFLUSS- UND BEARBEITBARKEITSMITTEL

Title (fr)

NOUVEAU PROCEDE DE FABRICATION DE PAPIER METTANT EN OEUVRE UN COPOLYMERE BASE AYANT REAGI AVEC UN ALDEHYDE COMME AGENT DE RESISTANCE A SEC, DE RETENTION, D'EGOUTTAGE ET DE MACHINABILITE

Publication

EP 2820188 A1 20150107 (FR)

Application

EP 13712850 A 20130226

Priority

- FR 1251740 A 20120227
- FR 2013050390 W 20130226

Abstract (en)

[origin: WO2013128109A1] A method for producing a sheet of paper and/or cardboard and the like, according to which the cellulosic material is brought into contact with at least one dry strength agent, characterised in that said agent is a cationic or amphoteric (co)polymer resulting from the reaction between at least one aldehyde and at least one base (co)polymer comprising at least one non-ionic monomer, said base copolymer being previously modified with at least one polyfunctional compound comprising at least 3 heteroatoms chosen from N, S, O, P, whereof at least 3 of said heteroatoms each have at least one mobile hydrogen atom.

IPC 8 full level

D21H 17/37 (2006.01); **C08F 8/28** (2006.01); **D21H 17/54** (2006.01); **D21H 21/10** (2006.01); **D21H 21/18** (2006.01)

CPC (source: EP US)

C08F 8/28 (2013.01 - EP US); **D21H 17/375** (2013.01 - EP US); **D21H 17/455** (2013.01 - US); **D21H 17/54** (2013.01 - EP US); **D21H 17/56** (2013.01 - US); **D21H 17/72** (2013.01 - US); **D21H 21/10** (2013.01 - EP US); **D21H 21/18** (2013.01 - EP US); C08F 2800/10 (2013.01 - EP US)

Citation (search report)

See references of WO 2013128109A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

FR 2987375 A1 20130830; BR 112014017918 A2 20200623; BR 112014017918 B1 20210601; CA 2862995 A1 20130906; CA 2862995 C 20200602; CN 104093900 A 20141008; CN 104093900 B 20160921; EP 2820188 A1 20150107; EP 2820188 B1 20161207; ES 2609676 T3 20170421; KR 102157401 B1 20200917; KR 20140138117 A 20141203; US 10132039 B2 20181120; US 2015136348 A1 20150521; US 2017037575 A1 20170209; US 9506200 B2 20161129; WO 2013128109 A1 20130906

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